

## **SUMMARY**

The Advanced Reactors Transition (ART) Program, WBS 1.12.1.1, PBS RL-TP11, consists of the 309 Building and the Nuclear Energy (NE) Legacies activities.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of March 31, 2000. All other information is as of April 18, 2000.

In March the ART mission area technical accomplishments included continued surveillance and maintenance activities on the 309 Building and NE Legacy facilities. Low pH rinse water from two T-plant tanks cleaning operation was sent to the process sewer. Plans for final rinse of the large T-plant tank were finalized. Eddy-current examination of the NaK cooling loop was completed; showing that very little NaK remains in the system (the bulk NaK was drained and shipped offsite in 1998). Procedures for obtaining a gas sample from the NaK cooling loop are being developed. Concepts and procedures for connecting a water vapor-nitrogen cleaning system to the loop to react remaining residues are being developed. The 309 Bldg. / Plutonium Recycle Test Reactor (PRTR) ion exchange column was stabilized, removed, and shipped for burial.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

## **ACCOMPLISHMENTS**

- Continued surveillance and maintenance activities on 309 Building and NE legacies.
- Sent low pH rinse water from two T-plant tanks cleaning operation to process sewer. Finalized plans for final rinse of large tank.
- Completed eddy-current examination of the NaK cooling loop; showing that very little NaK remains in the system (the bulk NaK was drained and shipped offsite in 1998). Developing procedures for obtaining a gas sample from loop. Developing concepts and procedures for connecting a water vapor-nitrogen cleaning system to loop to react remaining residues.
- The 309 Bldg. / PRTR ion exchange column was stabilized, removed, and shipped for burial.

## **SAFETY**

Safety data for ART is included in a separate FFTF report.

## **CONDUCT OF OPERATIONS / ISMS STATUS**

### **CONDUCT OF OPERATIONS**

Conduct of operations data for ART is included in a separate FFTF report.

### **ISMS STATUS**

Preparations continue for the FH DOE Phase I Verification scheduled for mid April. This review will examine the FH/FFTF ISMS system description and all implementing documents.

### **BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT**

No breakthroughs or opportunities for improvement have been identified at this time.

### **UPCOMING ACTIVITIES**

- Complete the cleaning of sodium residue from T Plant tank TK-3.
- Initiate cleaning of the sodium potassium (NaK) residuals from the 337B Building cold trap cooling loop.
- Initiate general cleanout of lower containment level of the 309 Bldg. / PRTR facility.

### **COST PERFORMANCE (\$M):**

	<b>BCWP</b>	<b>ACWP</b>	<b>VARIANCE</b>
<b>Advanced Reactors Transition</b>	\$0.6	\$0.6	+\$0.0

There is no cost variance.

### **SCHEDULE PERFORMANCE (\$M):**

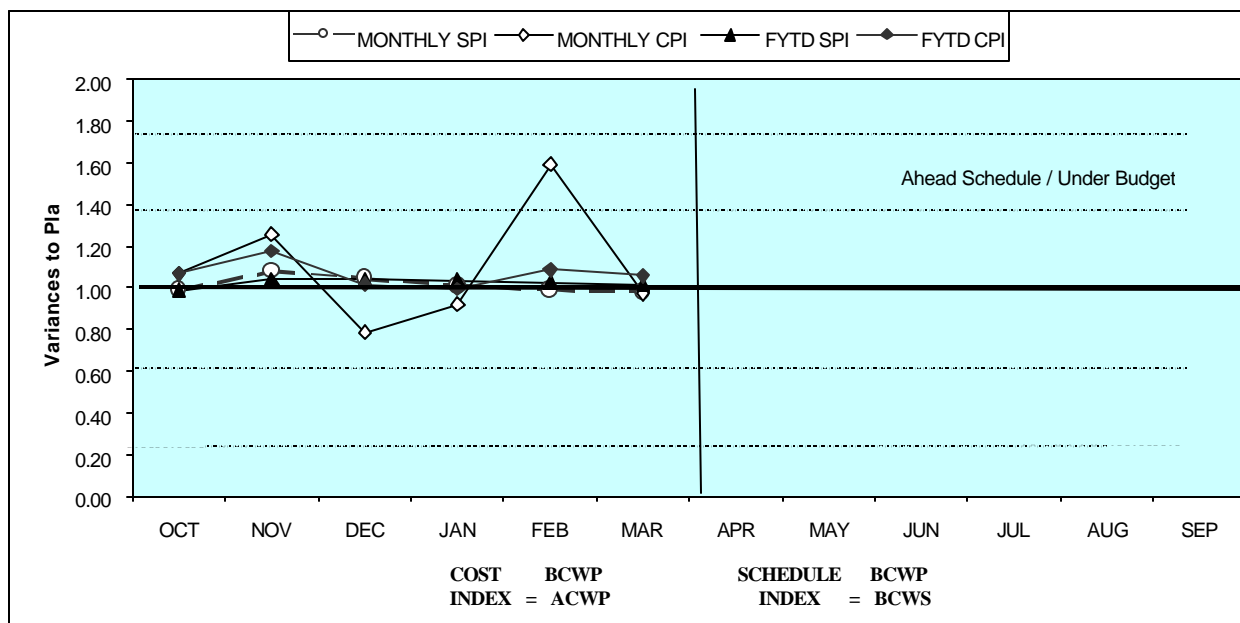
	<b>BCWP</b>	<b>BCWS</b>	<b>VARIANCE</b>
<b>Advanced Reactors Transition</b>	\$0.6	\$0.6	+\$0.0

There is no schedule variance.

## FY 2000 Cost/Schedule Performance – All Fund Types CUMULATIVE TO DATE STATUS – (\$000)

		FYTD							
Bv PBS		BCWS	BCWP	ACWP	SV	%	CV	%	PEM
PBS TP11	Advanced Reactors								
WBS 1.12	Transition	\$ 627	\$ 637	\$ 601	\$ 9	1%	\$ 36	6%	\$ 1,472
<b>Total</b>		<b>\$ 627</b>	<b>\$ 637</b>	<b>\$ 601</b>	<b>\$ 9</b>	<b>1%</b>	<b>\$ 36</b>	<b>6%</b>	<b>\$ 1,472</b>

## Cost/Schedule Performance Indices (MARCH 2000 AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.99	1.08	1.05	1.01	0.99	0.98						
MONTHLY CPI	1.07	1.26	0.79	0.92	1.59	0.97						
FYTD SPI	0.99	1.04	1.04	1.03	1.02	1.01						
FYTD CPI	1.07	1.18	1.02	0.99	1.09	1.06						
MONTHLY BCWS	\$79	\$113	\$88	\$93	\$116	\$139	\$116	\$145	\$110	\$128	\$177	\$170
MONTHLY BCWP	\$78	\$122	\$92	\$94	\$115	\$136						
MONTHLY ACWP	\$73	\$97	\$117	\$102	\$72	\$140						
FYTD BCWS	\$79	\$192	\$280	\$373	\$489	\$627	\$743	\$887	\$997	\$1,125	\$1,302	\$1,472
FYTD BCWP	\$78	\$200	\$292	\$386	\$501	\$637						
FYTD ACWP	\$73	\$170	\$287	\$389	\$461	\$601						

## ISSUES

There is nothing to report at this time.

## COST VARIANCE ANALYSIS: (+\$0.0M)

**WBS/PBS**                      **Title**

**1.12/TP11**                      **Advanced Reactors Transition**  
**Description and Cause:** None.  
**Impact:** None.  
**Corrective Action:** None.

## SCHEDULE VARIANCE ANALYSIS: (+\$0.0M)

**WBS/PBS**                      **Title**

**1.12/TP11**                      **Advanced Reactors Transition**  
**Description and Cause:** None.  
**Impact:** None.  
**Corrective Action:** None.

## BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT \$000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
ART-2000-003	2/11/00	FY 1999 Carry Over Funds and Scope	218	X	X	2/12/00	2/17/00	3/9/00	Approved
<b>ADVANCE WORK AUTHORIZATIONS</b>									
		Nothing to report.							

## MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
RL	0	0	0	0	0	0	0	0
<b>Total Project</b>	0	0	0	0	0	0	0	0

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

Tri-Party Agreement / EA Milestones	
Nothing to report	
DNFSB Commitments	
Nothing to report.	

## MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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**OVERDUE – 0**

**FORECAST LATE – 0**

## PERFORMANCE OBJECTIVES

Nothing to report at this time.

## KEY INTEGRATION ACTIVITIES

Nothing to report at this time.